

In The Claims

Please amend the claims as follows:

ClaimsWHAT IS CLAIMED IS:

1. (CURRENTLY AMENDED) A shrink film comprising a polyethylene film of thickness 5 to 500 μm , ~~characterized in that~~wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 5 to 40, and a weight average molecular weight of at least 100 kD.
2. (ORIGINAL) A shrink film as claimed in claim 1 wherein the homopolymer has a density of 960 to 980 kg/m^3 .
3. (CURRENTLY AMENDED) A shrink film as claimed in claim 1, ~~or 2~~ wherein the copolymer has a density of 890 to 920 kg/m^3 .
4. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to 3~~, wherein the density of the homopolymer-copolymer mixture is 920 to 945 kg/m^3 .
5. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to 4~~, wherein the Mw of the homopolymer-copolymer mixture is 150 to 300 kD.
6. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to 4~~, wherein the Mw of the homopolymer-copolymer mixture is at least 230 kD.

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7. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to~~ 6, wherein the MWD of the homopolymer-copolymer mixture is in the range 10 to 35.
8. (ORIGINAL) A shrink film as claimed in claim 7 wherein the MWD of the homopolymer-copolymer mixture is in the range 15 to 25.
9. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to~~ 8, wherein the ratio of homopolymer to copolymer in said mixture is in the range 1:5 to 5:1 by weight.
10. (ORIGINAL) A shrink film as claimed in claim 9 wherein the ratio of homopolymer to copolymer in said mixture is in the range 60:40 to 40:60 by weight.
11. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to~~ 10, wherein the copolymer comprises ethylene and 1-butene or ethylene and 1-hexene.
12. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to~~ 10, wherein the copolymer comprises an ethylene, 1-butene and 1-hexene terpolymer.
13. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 ~~to~~ 12, wherein said film has a thickness of 20 to 120 μm .

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14. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 to 13, wherein said shrink film is a multilayer film.
15. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 to 13, wherein said shrink film is unilamellar.
16. (ORIGINAL) A shrink film as claimed in claim 15 having a thickness of 100 to 200 μm .
17. (CURRENTLY AMENDED) A shrink film as claimed in ~~any one of~~ claims 1 to 16, wherein said film exhibits at least 15% shrink in the transverse direction upon application of heat.
18. (ORIGINAL) A shrink film as claimed in claim 14 wherein said multilayer film comprises a layer in which at least 95% wt is formed from said ethylene homopolymer-copolymer mixture.
19. (CURRENTLY AMENDED) A process for wrapping an object comprising applying a shrink film about said object and shrinking said film by the application of heat thereto, ~~characterized in that~~ wherein said film is a shrink film according to any one of claims 1 to 18 comprising a polyethylene film of thickness 5 to 500 μm , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 5 to 40, and a weight average molecular weight of at least 100 kD.
20. (CURRENTLY AMENDED) An object shrink wrapped with a shrink film ~~according to any one of claims 1 to 18~~ comprising a polyethylene film of thickness 5 to 500 μm , wherein said polyethylene comprises an ethylene homopolymer-copolymer mixture having a molecular weight distribution in the

range 5 to 40, and a weight average molecular weight of at least 100 kD.

21. (CURRENTLY AMENDED) A method for manufacturing a shrink film which comprises using~~Use of~~ a polyethylene composition comprising an ethylene homopolymer-copolymer mixture having a molecular weight distribution in the range 10 to 35, and a weight average molecular weight of at least 150 kD ~~in the manufacture of a shrink film.~~

22. (ORIGINAL) A polyolefin shrink film having a Dart drop value (g)/film thickness (μm) of 5 g/ μm or more.

23. (ORIGINAL) The shrink film of claim 22 comprising an ethylene homopolymer/copolymer mixture.

24. (CURRENTLY AMENDED) The shrink film of claim 22 ~~or 23~~, wherein the film is unilamellar.

25. (CURRENTLY AMENDED) The shrink film of claim 22 ~~to 24~~, wherein Dart drop value (g)/film thickness (μm) is 6 g/ μm or more.